

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	132882	@pd>="20090604"	US-PGPUB	OR	ON	2009/11/03 10:55
L4	683	222/190.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:55
L5	542	222/145.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:55
L6	475	222/145.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:55
L7	565	222/321.7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:55
L8	789	222/321.9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/03 10:55
L9	617	L4 or L5 or L6 or L7 or L8	US-PGPUB	OR	ON	2009/11/03 10:55
L10	10	"I1" and L9	US-PGPUB	OR	ON	2009/11/03 10:55
L11	10	"I1" and L9	US-PGPUB; USPAT	OR	ON	2009/11/03 10:55
L12	47	I3 and L9	US-PGPUB; USPAT	OR	ON	2009/11/03 10:55
S1	2	("5813576").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/09 17:51
S2	17	("5443569").PN. OR ("5813576").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 17:57
S3	0	22/190.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 11:24
S4	645	222/190.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 11:25
S5	1	222/190.ccls. and "jet ring"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 11:31
S6	4	("5813576"   "6053364").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 12:46

S7	500	222/145.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 13:03
S8	452	222/145.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 13:27
S9	535	222/321.7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 13:39
S10	766	222/321.9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:04
S11	43	((SHIGEO) near2 (IIZUKA)). INV.	US-PGPUB; USPAT	OR	ON	2008/12/10 14:51
S12	1	S11 and (mesh near4 diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:52
S13	0	S11 and (screen near4 diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:52
S14	14	S11 and mesh	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:52
S15	0	S11 and (net near4 diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:53
S16	0	S11 and (net near4 inlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:53
S17	0	S11 and (net with inlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:53
S18	2	"5813576".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 14:56
S19	1	1996-268438.NRAN.	DERWENT	OR	ON	2008/12/10 14:56
S20	122	("20020056730"   "20030000967"   "2515328"   "2690861"   "3191814"   "3359917"   "3709437"   "3779464"   "3937364"   "4022351"   "4029261"   "4122982"   "4184615"   "4219159"   "4274560"   "4274594"   "4389003"   "4432496"   "4496085"   "4512501"   "4606479"   "4615465"   "4735347"   "4836422"   "4895279"   "4940186"   "4964544"   "5020696"   "5038965"   "5071379"   "5092495"	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/10 15:13

		"5108013"   "5147073"   "5163588"   "5190192"   "5220483"   "5271530"   "5277559"   "5284276"   "5299703"   "5337929"   "5364031"   "5385302"   "5443569"   "5570819"   "5638996"   "5779104"   "5782621"   "5813576"   "5816453"   "5881956"   "5887762"   "5918771"   "6030931"   "6053364"   "6206303"   "6220483"   "6264964"   "6446840"   "6533145"   "6536629"   "6543651"   "6575334"   "6575335"   "6612468"   "6648179"   "6729502"   "6779689").PN. OR ("2002/0056730"   "2005/0067435"   "2005/0115988"   "2006/0157512"   "2006/0219738"   "2007/0119864"   "4932567"   "5570819"   "5813576"   "5918778"   "6053364"   "7048153"   "7066355"   "7401714").URPN.				
S21	63	("20020056730"   "20020070238"   "20030071058"   "3359917"   "4219159"   "4277001"   "4349131"   "4402432"   "4438871"   "4477000"   "4516727"   "4850517"   "4932567"   "5071379"   "5163588"   "5226566"   "5271530"   "5282552"   "5289952"   "5337929"   "5348189"   "5351862"   "5429279"   "5443569"   "5445288"   "5449094"   "5556005"   "5570819"   "5715973"   "5732855"   "5752626"   "5775547"   "5779104"   "5794821"   "5813576"   "5918771"   "5927561"   "5992698"   "6053364"   "6053368"   "6054465"   "6082586"   "6082588"   "6119899"   "6206303"   "6220483"   "6269976"   "6299028"   "6302304"   "6412663"   "6446840"   "6669056"   "D452822"   "D456260").PN. OR ("6840408"   "7198177").	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/10 15:21

		URPN.				
S22	43	S21 not S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 15:21
S23	95354	tetsuo.inv.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 15:25
S24	1	(kumagai near2 tetsuo).inv.	US-PGPUB; USPAT	OR	ON	2008/12/10 15:26
S25	1	(kumagai near2 tetsuo).inv.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/10 15:27
S26	5	tetsuo.inv. and daiwa and can	US-PGPUB; USPAT; DERWENT	OR	ON	2008/12/10 15:27
S27	32	("3191814"   "4219159"   "4496085"   "4512501"   "5071379"   "5271530").PN. OR ("5570819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/10 18:25
S28	40	("2119906"   "2549258"   "4375266"   "4496085"   "4512501"   "5033654"   "5064103"   "5110052").PN. OR ("5271530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/10 18:26
S29	81	"daiwa can company"	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/10 18:27
S30	4	"222"/\$.ccls. and "daiwa can company"	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/10 18:28
S31	218	(van der heijden).inv.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/10 18:34
S32	13	((edgar ivo maria) near2 (van der heijden)).inv.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/10 18:35
S33	17	(US-20070119864-\$ or US- 20060219738-\$ or US- 20060157512-\$ or US- 20050115988-\$ or US- 20050067435-\$ or US- 20020056730-\$).did. or (US- 5813576-\$ or US-7066355-\$ or US-6053364-\$ or US- 5570819-\$ or US-7048153-\$ or US-5918778-\$ or US- 4932567-\$ or US-7401714-\$ or US-7198177-\$ or US- 6840408-\$ or US-5271530- \$).did.	US-PGPUB; USPAT	OR	ON	2008/12/10 18:44
S34	9	S33 and taper\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 18:44

S35	17	(US-20070119864-\$ or US-20060219738-\$ or US-20060157512-\$ or US-20050115988-\$ or US-20050067435-\$ or US-20020056730-\$).did. or (US-5813576-\$ or US-7066355-\$ or US-6053364-\$ or US-5570819-\$ or US-7048153-\$ or US-5918778-\$ or US-4932567-\$ or US-7401714-\$ or US-7198177-\$ or US-6840408-\$ or US-5271530-\$).did.	US-PGPUB; USPAT	OR	ON	2009/06/02 15:02
S36	2134	jet near2 ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/02 15:02
S37	1	S36 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/02 15:02
S38	17	(US-20070119864-\$ or US-20060219738-\$ or US-20060157512-\$ or US-20050115988-\$ or US-20050067435-\$ or US-20020056730-\$).did. or (US-5813576-\$ or US-7066355-\$ or US-6053364-\$ or US-5570819-\$ or US-7048153-\$ or US-5918778-\$ or US-4932567-\$ or US-7401714-\$ or US-7198177-\$ or US-6840408-\$ or US-5271530-\$).did.	US-PGPUB; USPAT	OR	ON	2009/06/04 09:53
S39	1	S38 and ((duct or passage) with (size or radius))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/04 09:53
S40	23	("4274594"   "4432496"   "4615465"   "4836422").PN. OR ("4932567").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/04 09:54
S41	0	S40 and ((duct or passage) with (size or radius))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/04 09:54
S42	660	222/190.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/04 09:55
S43	23	S42 and ((duct or passage) with (size or radius))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/04 09:55

S44	185	("20020056730"   "20020070238"   "20030000967"   "20030071058"   "2119906"   "2515328"   "2549258"   "2690861"   "3191814"   "3359917"   "3709437"   "3779464"   "3937364"   "4022351"   "4029261"   "4122982"   "4184615"   "4219159"   "4274560"   "4274594"   "4277001"   "4349131"   "4375266"   "4389003"   "4402432"   "4432496"   "4438871"   "4477000"   "4496085"   "4512501"   "4516727"   "4606479"   "4615465"   "4735347"   "4836422"   "4850517"   "4895279"   "4932567"   "4940186"   "4964544"   "5020696"   "5033654"   "5038965"   "5064103"   "5071379"   "5092495"   "5108013"   "5110052"   "5147073"   "5163588"   "5190192"   "5220483"   "5226566"   "5271530"   "5277559"   "5282552"   "5284276"   "5289952"   "5299703"   "5337929"   "5348189"   "5351862"   "5364031"   "5385302"   "5429279"   "5443569"   "5445288"   "5449094"   "5556005"   "5570819"   "5638996"   "5715973"   "5732855"   "5752626"   "5775547"   "5779104"   "5782621"   "5794821"   "5813576"   "5816453"   "5881956"   "5887762"   "5918771"   "5927561"   "5992698"   "6030931"   "6053364"   "6053368"   "6054465"   "6082586"   "6082588"   "6119899"   "6206303"   "6220483"   "6264964"   "6269976"   "6299028"   "6302304"   "6412663"   "6446840"   "6533145"   "6536629"   "6543651"   "6575334"   "6575335"   "6612468"   "6648179"   "6669056"   "6729502"   "6779689"   "D452822"   "D456260").PN. OR ("2002/0056730"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/04 09:57
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		"2005/0067435"   "2005/0115988"   "2006/0157512"   "2006/0219738"   "2007/0119864"   "4932567"   "5271530"   "5570819"   "5813576"   "5918778"   "6053364"   "6840408"   "7048153"   "7066355"   "7198177"   "7401714"). URPN.				
S45	6	S44 and ((duct or passage) with (size or radius))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/04 09:58
S46	660	222/190.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/04 12:04
S47	519	222/145.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/04 12:04
S48	462	222/145.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/04 12:04
S49	557	222/321.7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/04 12:04
S50	783	222/321.9.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/06/04 12:04
S51	572	S46 or S47 or S48 or S49 or S50	US-PGPUB	OR	ON	2009/06/04 12:04
S52	163642	@pd>="20081211"	US-PGPUB	OR	ON	2009/06/04 12:04
S53	38	S52 and S51	US-PGPUB	OR	ON	2009/06/04 12:04
S54	880	222/190.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:48
S55	1	S54 and ((screen or mesh) with (adjust\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:49
S56	218	S54 and (screen or mesh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:49
S57	3	S54 and ((screen or mesh) with rib)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:53

S58	2	S54 and ((screen or mesh) with projection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:55
S59	10930	foam\$3 with pump	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:55
S60	2206378	screen or mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:55
S61	6195189	adjust\$4 or rib or projection	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:56
S62	116	S59 and (S60 with S61)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 09:56
S63	540	222/145.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/10/05 10:02
S64	472	222/145.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/10/05 10:02
S65	962	S63 or S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 10:02
S66	2	S65 and ((screen or mesh) with (rib or adjust\$4 or projection))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 10:03
S67	1423298	pore or pourus or sponge or net or grid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:32
S68	82103	S67 with (rib or adjust\$4 or projection or movable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:32
S69	4952	S68 and foam\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:33
S70	140029	"222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:33



S71	57	S70 and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:33
S72	193	( "2119906"   "2549258"   "2577025"   "2630183"   "2651546"   "2715045"   "3388868"   "3422993"   "3669323"   "3709437"   "3743146"   "3937364"   "3946947"   "3973701"   "3985271"   "4013228"   "4019657"   "4022351"   "4027789"   "4072252"   "4147306"   "4156505"   "4219159"   "4234128"   "4330086"   "4350298"   "4365751"   "4375266"   "4432496"   "4463905"   "4496085"   "4509661"   "4512501"   "4615467"   "4621749"   "4625915"   "4634023"   "4730786"   "4932567"   "4978036"   "5033654"   "5048750"   "5064103"   "5105993"   "5110052"   "5139201"   "5147087"   "5156307"   "5165577"   "5174476"   "5248066"   "5271530"   "5289952"   "5310085"   "5445288"   "5462208"   "5570819"   "5779104"   "5813576"   "6053364"   "6082586"   "6398079"   "D293929").PN. OR ( "2002/0000452"   "2005/0098581"   "2007/0040048"   "2007/0251953"   "4219159"   "4925106"   "5064103"   "5255851"   "5271530"   "5445288"   "6336571"   "6612468").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/05 17:41
S73	880	222/190.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:42
S74	218	S73 and (screen or mesh)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:42
S75	155	S72 not S74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/05 17:42

S76	153	("1354641"   "1457895"   "20010042761"   "2532565"   "2585092"   "2624622"   "2645292"   "2717614"   "2783091"   "2980342"   "3152734"   "3168969"   "3366284"   "3388868"   "3428985"   "3622049"   "3709437"   "3834596"   "3946947"   "3961754"   "3964689"   "3985271"   "4013228"   "4047668"   "4135670"   "4147306"   "4156505"   "4157789"   "4219159"   "4247025"   "4252276"   "4324365"   "4350298"   "4358031"   "4402432"   "4420098"   "4463905"   "4494699"   "4509661"   "4603812"   "4646973"   "4708260"   "4733818"   "4767060"   "4768717"   "4773570"   "4779803"   "4830790"   "4883227"   "4925106"   "5033654"   "5048750"   "5054688"   "5064103"   "5085371"   "5156307"   "5255851"   "5271530"   "5275763"   "5289952"   "5310093"   "5340031"   "5348189"   "5443569"   "5462208"   "5467898"   "5570819"   "5605258"   "5611490"   "6244473").PN. OR ("4779803"   "5249715"   "5397060"   "5611490"   "5725155"   "6536685"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/05 18:48
S77	104	S76 not S72	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/05 18:48
S78	2156	jet near2 ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:17
S79	140083	"222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:17
S80	9	S78 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:17

S81	1427150	pore or pourus or sponge or net or grid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:19
S82	82263	S81 with (rib or adjust\$4 or projection or movable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:19
S83	140083	"222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:19
S84	324	S83 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:19
S85	1851014	pore or pourus or sponge or net or grid or porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:24
S86	15377	porous with (rib or adjust\$4 or projection or movable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:25
S87	178	S86 and S83	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:25
S88	152	S87 not S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/16 17:25

11/ 3/ 2009 10:57:03 AM

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